



1/8

SEQUENCE LISTING

4/B2  
<110> Gaudet, Daniel  
Rioux, John D.  
Arsenault, Steve  
Hudson, Thomas J.  
Daly, Mark J.

<120> Glycerol As A Predictor of Glucose  
Tolerance

<130> 2825.1022-003

<140> US 09/694,088

<141> 2000-10-20

<150> US 60/161,141

<151> 1999-10-22

<160> 19

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<212> DNA

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<223> Partial nucleic acid sequence of the GK gene  
comprising a polymorphic site at nucleotide  
position 13 of exon 3

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<211> 48

<212> DNA

<213> Unknown

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position 17 of intron 8

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48

<210> 3

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<212> DNA

<213> Unknown

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position 29 of exon 10

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&lt;210&gt; 4

&lt;211&gt; 58

&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

<223> Partial nucleic acid sequence of the GK gene  
comprising a polymorphic site at nucleotide  
position 22 of intron 12

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&lt;210&gt; 5

&lt;211&gt; 8079

&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Glycerol kinase gene

&lt;221&gt; misc\_feature

&lt;222&gt; 2214, 2215, 2216, 2217

&lt;223&gt; n = A,T,C or G

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<210> 6  
 <211> 41  
 <212> PRT  
 <213> Unknown

&lt;220&gt;

&lt;223&gt; GK N288D mutant

&lt;400&gt; 6

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1				5					10					15	
Leu	Cys	Asp	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Asp	His	Gly	Leu	Leu
		20						25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
		35					40								

&lt;210&gt; 7

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7

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1				5					10					15	
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		20					25						30		
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		35					40								

&lt;210&gt; 8

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Rat

&lt;400&gt; 8

Phe	Gln	Asp	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1				5					10					15	
Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
		20					25						30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
		35					40								

&lt;210&gt; 9

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Mouse

&lt;400&gt; 9

Phe	Gln	Asp	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
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<210> 10  
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 <212> PRT  
 <213> E. coli

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 Thr Thr Ile Ala Cys Gly Pro  
 35

<210> 11  
 <211> 39  
 <212> PRT  
 <213> Pseudomonas aeruginosa

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 Val Glu Pro Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Leu  
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 20 25 30  
 Thr Thr Ile Ala Cys Gly Pro  
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<210> 12  
 <211> 39  
 <212> PRT  
 <213> Enterococcus casseliflavus

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 20 25 30  
 Thr Thr Ile Gly Tyr Gly Ile  
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<210> 13  
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 <212> PRT  
 <213> Haemophilus influenzae

<400> 13  
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 1 5 10 15  
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 20 25 30  
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 35 40

<210> 14  
 <211> 39  
 <212> PRT

<213> *Bacillus subtilis*

<400> 14

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 1 5 10 15  
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 20 25 30  
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<210> 15

<211> 41

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 15

Tyr Lys Pro Gly Ala Ala Lys Cys Thr Tyr Gly Thr Gly Cys Phe Leu  
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 Leu Tyr Asn Thr Gly Thr Lys Lys Leu Ile Ser Gln His Gly Ala Leu  
 20 25 30  
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<210> 16

<211> 41

<212> PRT

<213> *Mycoplasma genitalium*

<400> 16

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 20 25 30  
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 35 40

<210> 17

<211> 39

<212> PRT

<213> *Enterococcus faecalis*

<400> 17

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 Thr Thr Ile Gly Tyr Gly Ile  
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<210> 18

<211> 41

<212> PRT

<213> *Mycoplasma pneumoniae*

&lt;400&gt; 18

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		20						25					30		
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&lt;210&gt; 19

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Synechocystis PCC6803

&lt;400&gt; 19

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		20						25					30		
Ser	Thr	Val	Ala	Trp	Thr	Gln	Thr	Asn							
		35						40							